IQ inVision ®

Tech Tip V1023

Setting Up DTS (Direct to Storage) using Windows File Share, then enabling/disabling via OID commands

This document applies to IQinVision cameras which support DTS such as the IQA3x Series, the IQ86x Series, and the IQ76x Series.

Source

Factory Certified Product (FCP) Interface Document

IQinVision Firmware

> IQinVision firmware 3.3/9 or higher

Source

Name: IQinVision Technical Support

Model: IQA3x, IQ86x, IQ76x, IQM3x, IQD3x and IQ03x

Version/Firmware: IQinVision firmware 3.3/9 or higher

Required: Windows 7 PC with ability to enable Windows File Share

Optional/Recommended Products IQfinder – Windows utility used to discover cameras on a network. Video Lan VLC Player

Web location for download of Proprietary files: http://www.iqeye.com/support/faqs-tech-tips.html http://videolan.org

Brief Description of Product: Megapixel IP Cameras with Direct to Storage support
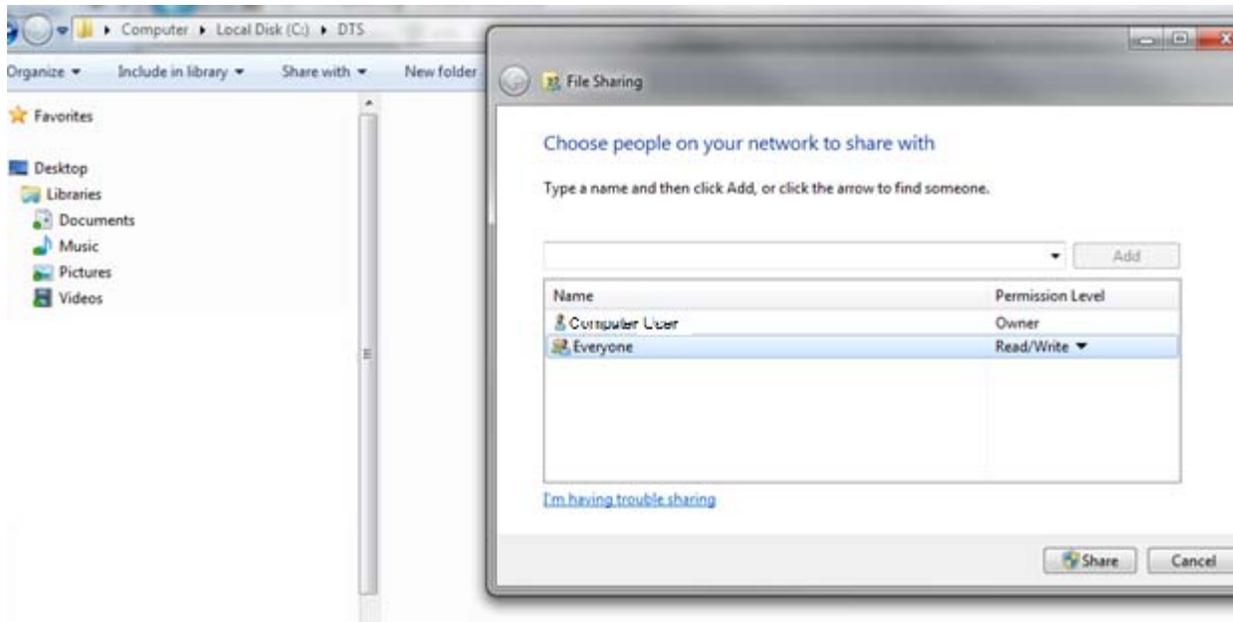
Brief Description of Integration: Support for IQinVision IP cameras models DTS ability

Business Description of Product: Customers can choose from a variety of IQinVision megapixel IP cameras to meet their specific requirements.

Instructions

1) Set up Windows File Share on the computer that will be the designated storage device.
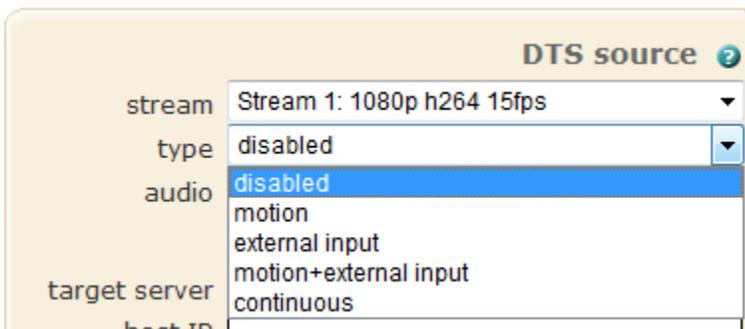
In the below example, a directory called 'DTS" was created off of the C:\ drive, then, after navigating to that directory, "Share with" was selected from the available options. In the File Sharing dialog box, the drop down box was selected and 'Everyone' was selected. By default, this user's permissions are read only; selecting the drop down arrow in the Permission level column allows the user to edit the permissions. Read/Write is selected as the preferred permission. Select the "Share" button at the bottom right hand side of the screen, and then select the "Done" button on the next screen to confirm the changes.

2) Setup DTS in the cameras web pages.

If Navigate to setup | DTS | DTS source in the cameras web pages. In this example, Stream 1 is used as the source stream, with continuous recording as the selected type of recording. Choices include:
motion
external input
motion + external input
continous

Navigate to the setup | DTS | DTS target in the cameras web pages.

I.   For the target server field, select "Windows File Share/SMB

II.   Host IP, select a valid IP that is accessible to the camera's IP

III.   Share: Enter the name of the shared directory on the computer from page 2 on this document. In this example, the shared directory name is "DTS"

IV.   Username: type in "root"

V.   Password: type in "system" if at default

VI.   Format: select h.264 (Annex B)
NOTE: In this example, since an H.264 stream was selected on the setup | DTS | DTS source tab, the only option is now h.264 (Annex B). If AVI files or JPEG images are needed, then select the 'Factory Defaults' button in the lower left hand corner of the page, then AVI and JPEG images will become an option.

VII. File name: select from the options available in the drop down list.

VIII. File path: default file path is the mac address of the camera, then the date
NOTE: Select the "?" in the top right hand corner to read more about file name and file path options.

IX.   Recording: select 'enabled'

DTS source	
stream	Stream 1: 1080p h264 15fps
type	continuous
audio	disabled

DTS target	
target server	Windows File Share/SMB
host IP	10.100.2.183
share	DTS
username	root
password	••••••
format	h.264 (Annex B)
file name	<time><timezone>.dts
file path	<hardware address>/<date>
recording	disabled

Optional Instructions and Information

3) Test and troubleshoot

If all has been configured correctly, the message in the DTS status section will read "successful" and the DTS shared directory in the computer will begin filling with recordings according to the file path and file name structure setup on the cameras setup | DTS | target tab.

If the DTS status section reads "mount" then the set up steps above need to be reviewed.

Additionally, It is possible to turn DTS recording on and off via IQmanager. To toggle between recording enabled and disabled using OID commands

In IQmanager, right click on the camera, select Set OID from the shortcut menu. The user may be prompted to enter the 'system' password. In the Set OID dialog box
Enter "23.1.10.1" for the OID and for Value enter "enabled" or "disabled" as needed. Select the OK button.

As an alternative, the OID can be entered into the browser window using the syntax as described on page 8 of the IQinVision API manual:
http://www.iqeye.com/iqeye/images/uploads/File/manuals/Network-API-manual.pdf

http://<camera_ip>/set.oid? OidTB23.1.10.1=disabled

in this example, http://10.100.2.219/set.oid?OidTB23.1.10.1=disabled

The user can verify by checking the OID table for the 23.1.10.1 value by entering
http://<camera_ip>/oidtable.html or checking the setup | DTS | target tab and/or checking the recordings in the computers DTS shared directory.

4) Play back saved video with the Videolan VLC media player, download link is on page 1 of this document.